

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/549,711
Source: PCR/10
Date Processed by STIC: 10/3/05

ENTERED



PCT

RAW SEQUENCE LISTING DATE: 10/03/2005
 PATENT APPLICATION: US/10/549,711 TIME: 14:28:37

Input Set : A:\P102159WO.ST25.txt
 Output Set: N:\CRF4\10032005\J549711.raw

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3 <110> APPLICANT: Milner, Josephine
5 <120> TITLE OF INVENTION: Regulation of Gene Expression
7 <130> FILE REFERENCE: 4100-0001
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/549,711
C--> 10 <141> CURRENT FILING DATE: 2005-09-16
12 <150> PRIOR APPLICATION NUMBER: GB 0306148.8
13 <151> PRIOR FILING DATE: 2003-03-18
15 <160> NUMBER OF SEQ ID NOS: 11
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 21
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Bcl-2 small interfering RNA sequence (siRNA)
27 <400> SEQUENCE: 1
28 ggggcua cga gugggaugct t                               21
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33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Bcl-2 small interfering RNA sequence (siRNA)
39 <400> SEQUENCE: 2
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43 <210> SEQ ID NO: 3
44 <211> LENGTH: 21
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Bcl-2 small interfering RNA sequence (siRNA)
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55 <210> SEQ ID NO: 4
56 <211> LENGTH: 21
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Bcl-2 small interfering RNA sequence (siRNA)
63 <400> SEQUENCE: 4
64 ttcgacgugg acugcgga g                               21
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 21

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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Bcl-xL small interfering RNA sequence (siRNA)
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80 <211> LENGTH: 21
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
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92 <211> LENGTH: 720
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
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99 tataagctgt cgcagagggg ctacgagtggt gatgcggggag atgtggggcgc cgcgcccccg   120
101 ggggcccggc ccgcgcgggg catctttctcc tcgcagcccg ggcacacgcc ccatacagcc    180
103 gcatcccggg acccggtcgc caggacctcg ccgctgcaga ccccggtcgc ccccggcgcc    240
105 gccgcggggc ctgcgctcag cccggtgcc cctgtggtcc acctgacct ccgccaggcc    300
107 ggcgacgact tctccgcgc ctaccgcgc gacttcgcc agatgtccag gcagctgcac    360
109 ctgacgccct tcaccgcgc gggacgcttt gccacggtgg tggaggagct cttcaggagc    420
111 ggggtgaact gggggaggat tgtggccttc tttgagttcg gtggggtcac gtgtgtggag    480
113 agcgtcaacc gggagatgtc gcccctggtg gacaacatcg ccctgtggat gactgagtac    540
115 ctgaaccggc acctgcacac ctggatccag gataacggag gctgggatgc ctttgtggaa    600
117 ctgtacggcc ccagcatgcg gcctctgttt gatttctcct ggctgtctct gaagactctg    660
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123 <211> LENGTH: 239
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 8
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133 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
134          20         25         30
137 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
138          35         40         45
141 Phe Ser Ser Gln Pro Gly His Thr Pro His Thr Ala Ala Ser Arg Asp
142          50         55         60
145 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
146 65         70         75         80
149 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Thr
150          85         90         95
153 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Arg Asp Phe

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154          100          105          110
157 Ala Glu Met Ser Arg Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
158          115          120          125
161 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
162          130          135          140
165 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
166 145          150          155          160
169 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
170          165          170          175
173 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
174          180          185          190
177 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
178          195          200          205
181 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
182          210          215          220
185 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Gly His Lys
186 225          230          235
189 <210> SEQ ID NO: 9
190 <211> LENGTH: 618
191 <212> TYPE: DNA
192 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 9
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199 ggggcccggc cgcaccggg catcttctcc tcccagcccg ggcacacgcc ccatccagcc      180
201 gcatcccgcg acccggtcgc caggacctcg ccgctgcaga ccccggtcgc ccccggcgcc      240
203 gccgcggggc ctgcgctcag cccggtgcca cctgtggtcc acctggccct ccgccaagcc      300
205 ggcgacgact tctcccgcgc ctaccgcggc gacttcgccg agatgtccag ccagctgcac      360
207 ctgacgccct tcaccgcgcg gggacgcttt gccacggtgg tggaggagct cttcagggac      420
209 ggggtgaact gggggaggat tgtggccttc tttgagttcg gtggggtcat gtgtgtggag      480
211 agcgtcaacc gggagatgtc gcccctggtg gacaacatcg ccctgtggat gactgagtac      540
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219 <211> LENGTH: 205
220 <212> TYPE: PRT
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223 <400> SEQUENCE: 10
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229 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
230          20          25          30
233 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
234          35          40          45
237 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
238          50          55          60
241 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
242 65          70          75          80
245 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Ala

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246          85          90          95
249 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Gly Asp Phe
250          100          105          110
253 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
254          115          120          125
257 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
258          130          135          140
261 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
262 145          150          155          160
265 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
266          165          170          175
269 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
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279 <212> TYPE: DNA

280 <213> ORGANISM: Homo sapiens

282 <400> SEQUENCE: 11

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285 ggatacagct ggagtcagtt tagtgatgtg gaagagaaca ggactgaggc cccagaaggg      120
287 actgaatcgg agatggagac cccagtgcc atcaatggca acccatcctg gcacctggca      180
289 gacagccccg cggatgaatgg agccactggc cacagcagca gtttgatgc ccgggaggtg      240
291 atcccatgag cagcagtaaa gcaagcgtg agggaggcag gcgacgagtt tgaactgcgg      300
293 taccggcggg cattcagtga cctgacatcc cagctccaca tcaccccagg gacagcatat      360
295 cagagctttg aacaggtagt gaatgaactc ttccgggatg gggtaaactg gggtcgcatt      420
297 gtggcctttt tctccttcgg cggggcactg tgcgtggaaa gcgtagacaa ggagatgcag      480
299 gtattggtga gtcggatcgc agcttggtat gccacttacc tgaatgacca cctagagcct      540
301 tggatccagg agaacggcgg ctgggatact tttgtggaac tctatgggaa caatgcagca      600
303 gccgagagcc gaaagggccca ggaacgcttc aaccgctggt tcctgacggg catgactgtg      660
305 gccggcgtgg ttctgctggg ctcaactctc agtcggaaat ga                          702

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date